

LABOR SERVICES DIVISION[875]

Adopted and Filed

Rule making related to hoistway lighting and conduit

The Elevator Safety Board hereby amends Chapter 71, “Administration of the Conveyance Safety Program,” Chapter 72, “Conveyances Installed On or After January 1, 1975,” and Chapter 73, “Conveyances Installed Prior to January 1, 1975,” Iowa Administrative Code.

Legal Authority for Rule Making

This rule making is adopted under the authority provided in Iowa Code section 89A.3.

State or Federal Law Implemented

This rule making implements, in whole or in part, Iowa Code chapter 89A.

Purpose and Summary

These amendments require additional lighting and conduit for hoistways of new elevators and additional hoistway lighting when an elevator controller is being replaced.

Public Comment and Changes to Rule Making

Notice of Intended Action for this rule making was published in the Iowa Administrative Bulletin on October 24, 2018, as **ARC 4088C**. No public comments were received. No changes from the Notice have been made.

Adoption of Rule Making

This rule making was adopted by the Board on December 4, 2018.

Fiscal Impact

The estimated installation cost for hoistway lighting is \$100 per floor. Conduit is typically part of the package for a new elevator, but some elevator mechanics do not use the conduit. Labor costs to install the conduit are minimal.

Jobs Impact

After analysis and review of this rule making, no impact on jobs has been found.

Waivers

Any person who believes that the application of the discretionary provisions of this rule making would result in hardship or injustice to that person may petition the Board for a waiver of the discretionary provisions, if any, pursuant to 875—Chapter 66.

Review by Administrative Rules Review Committee

The Administrative Rules Review Committee, a bipartisan legislative committee which oversees rule making by executive branch agencies, may, on its own motion or on written request by any individual or group, review this rule making at its [regular monthly meeting](#) or at a special meeting. The Committee’s meetings are open to the public, and interested persons may be heard as provided in Iowa Code section 17A.8(6).

Effective Date

This rule making will become effective on March 1, 2019.

The following rule-making actions are adopted:

ITEM 1. Adopt the following new definition of “Center of the elevator path” in rule **875—71.1(89A)**:

“*Center of the elevator path*” means a vertical line through the center point of an elevator car top beginning 2 feet below the lower landing and ending 10 feet above the highest landing of an elevator.

ITEM 2. Adopt the following new subrules 72.10(3) and 72.10(4):

72.10(3) Permanent lighting shall be installed in the hoistway of an elevator contracted after March 1, 2019. Three-way switches to control the hoistway lighting shall be installed at the pit access door and the top landing access door. The lighting shall be sufficient to provide 10 foot-candles of light to the center of the elevator path measured when the car top lights are off. Engineering calculations that prove 10 foot-candles of light are provided to the center of the elevator path may be substituted for light meter measurements under circumstances such as a glass back car where use of a light meter is not practical.

72.10(4) For conveyances contracted after March 1, 2019, all electrical wiring in a machine room, control space, control room, machinery space, and hoistway shall comply with ANSI/NFPA 70 and shall be enclosed in metal conduit, flexible conduit, or metal raceways. However, this subrule shall not apply in applications such as traveling cables and car top work lights where movement is required for proper function, or to operating devices and control equipment where adjustment may be needed.

ITEM 3. Adopt the following new subrule 72.13(7):

72.13(7) *Hoistway lighting*. If the controller for an elevator is being replaced, permanent lighting shall be installed in the hoistway of the elevator. Three-way switches to control the hoistway lighting shall be installed at the pit access door and the top landing access door. The lighting shall be sufficient to provide 10 foot-candles of light to the center of the elevator path measured when the car top lights are off. Engineering calculations that prove 10 foot-candles of light are provided to the center of the elevator path may be substituted for light meter measurements under circumstances such as a glass back car where use of a light meter is not practical.

ITEM 4. Adopt the following new subrule 73.8(8):

73.8(8) *Hoistway lighting*. If the controller for an elevator is being replaced, permanent lighting shall be installed in the hoistway of the elevator. Three-way switches to control the hoistway lighting shall be installed at the pit access door and the top landing access door. The lighting shall be sufficient to provide 10 foot-candles of light to the center of the elevator path measured when the car top lights are off. Engineering calculations that prove 10 foot-candles of light are provided to the center of the elevator path may be substituted for light meter measurements under circumstances such as a glass back car where use of a light meter is not practical.

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